

## ABSTRACT

A surgical instrument for anastomosis of first and second blood vessels includes a housing having distal and proximal ends and an actuator disposed therebetween. The  
5 actuator includes a handle and a link assembly, the link assembly being movable through a firing stroke in response to movement of the handle. The instrument also includes a disposable loading unit releasably attached to the distal end of the housing in mechanical cooperation with the actuator. The disposable loading unit supports a plurality of surgical fasteners, which deform upon movement of the actuator and the  
10 link assembly through the firing stroke.